

XP-002165407

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AN - 1985-035113 [06]

AP - JP19830103417 19830609

CPY - SUMQ

DC - M27

FS - CPI

IC - C22C38/50

MC - M27-A04 M27-A04A M27-A04C M27-A04M M27-A04N M27-A04S

PA - (SUMQ) SUMITOMO METAL IND LTD

PN - JP59229468 A 19841222 DW198506 003pp

PR - JP19830103417 19830609

XA - C1985-015318

XIC - C22C-038/50

AB - J59229468 Austenitic stainless steel comprises C (not more than 0.3%),

Si (not more than 1.0%), Mn (not more than 2.0%), 12-35% Ni, 15-28%

Cr, 1.5-4.0% Al, 0.1-1.5% one or both of Ti and Zr, opt. 0.001-0.1%

one or more rare earth metals including Y, and Fe and impurities.

- USE/ADVANTAGE - The austenitic stainless steel is useful as the structural member of a petroleum-refining, coal-liquefying or heavy oil-reforming plant to be operated in a high-temp. reducing sulphide atmos. Its sulphide corrosion resistance is improved by adding Al and one or both of Ti and Zr. Its oxidn. resistance is improved by the optional element, i.e. rare earth metals.(0/2)

IW - AUSTENITE STAINLESS STEEL IMPROVE HIGH TEMPERATURE SULPHIDE CORROSION RESISTANCE ADD ALUMINIUM TITANIUM ZIRCONIUM

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NC - 001

OPD - 1983-06-09

ORD - 1984-12-22

PAW - (SUMQ) SUMITOMO METAL IND LTD

TI - Austenitic stainless steel - improved in high-temp. sulphide corrosion resistance by adding aluminium and titanium and/or zirconium